

A2 provided with a plurality of cavities 22 and 23 into which the signal terminal 12 and the ground terminals 13 are inserted, respectively. The cavity 22 is arranged at the center of the housing 21, and the guide holes 23 are provided around the guide hole 22. The central cavity 22 has a signal contact 24 to be contacted with the signal terminal 12, and ground contacts 25 to be contacted with the respective ground terminals 13 is disposed within each of the surrounding four guide holes. A planar portion 26 is formed on the surface of the insulative housing 21 to be surface-contacted with the planar surface 24 of the coaxial plug.

IN THE CLAIMS:

Please amend the claims as follows:

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1. (Once Amended) A coaxial connector comprising:
a coaxial plug provided at an end of a cable, the coaxial plug includes a plug main body made of an insulative resin and having a surface, and a plurality of terminals protruding from said surface of the plug main body, the terminals are divided into one signal terminal and a plurality of ground terminals disposed around the signal terminal; and
a coaxial receptacle electrically connected to the coaxial plug by inserting the terminals therein, said coaxial receptacle configured for connection to an associated circuit board.
 2. (Once Amended) The coaxial connector according to claim 1, wherein the ground terminals are arranged such that distances between adjacent ground terminals are set to be equal to one another.
 3. (Once Amended) The coaxial connector according to claim 1, wherein the ground terminals are arranged such that distances from the signal terminal to the ground terminals are set to be equal to one another.
 4. (Once Amended) The coaxial connector according to claim 1, wherein a surface of the plug main body is partially formed into a planar surface extending in an axial direction of the

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cable, the signal terminal is disposed at a central portion of the planar surface to be protruded for the planar surface, and the ground terminals are disposed around the signal terminal.

5. (Once Amended) The coaxial connector according to claim 1, wherein two of said ground terminals are provided, which are disposed to be point-symmetric with respect to the signal terminal.

6. (Once Amended) The coaxial connector according to claim 1, wherein three of said ground terminals are provided, which are disposed at respective apex positions of a regular triangle centered by the signal terminal.

A3

7. (Once Amended) The coaxial connector according to claim 1, wherein four of said ground terminals are provided, which are disposed at respective corner portions of a regular square centered by the signal terminal.

8. (Once Amended) The coaxial connector according to claim 1, wherein eight of said ground terminals are provided, which are respectively disposed at corner portions of a regular square centered by the signal terminal and at longitudinal middle points of sides of the regular square.

9. (Once Amended) A coaxial connector comprising: a coaxial plug provided at an end of a cable, and a coaxial receptacle electrically connected to the coaxial plug by inserting the coaxial plug therein,

said coaxial plug includes a plug main body made of an insulative resin, and a plurality of terminals protruding from a surface of the plug main body, and

the terminals are divided into one signal terminal and a plurality of ground terminals disposed around the signal terminal; and

the coaxial receptacle includes an insulative housing having a surface formed with a

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plurality of guide holes into which the signal terminal and the ground terminals are respectively inserted, and a plurality of contacts disposed within the guide holes of the insulative housing, the contacts includes a signal contact contacted with the signal terminal and ground contacts contacted with the ground terminals, and the surface of the insulative housing has a planar portion surface-contacted with the planar surface of the coaxial plug.

A3

10. (Once Amended) The coaxial connector according to claim 9, wherein: the insulative housing of the coaxial receptacle has a side surface intersecting the surface thereof; and a stopper portion is provided in a boundary portion to the planar surface of the plug main body so as to be contacted with the side surface of the insulative housing, thereby restricting a displacement of the plug main body in a direction about an axis of the signal terminal when the coaxial plug is connected to the coaxial receptacle.

Please add the following new claims 11-20:

sub B1

11. (Newly added) The coaxial connector according to claim 1, wherein said terminals are perpendicular to said surface.

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12. (Newly added) The coaxial connector according to claim 1, wherein said terminals are pin type.

13. (Newly added) A coaxial plug comprising: a plug main body made of an insulative resin and having a surface, and a plurality of pin type terminals protruding from a surface of the plug main body, said pin type terminals being divided into one signal terminal and a plurality of ground terminals disposed around the signal terminal, said signal terminal being separated from said ground terminals solely by said insulative housing.

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14. (Newly added) A plug according to claim 13, wherein the ground terminals are arranged such that distances between adjacent ground terminals are set to be equal to one another.

15. (Newly added) A plug according to claim 13, wherein the ground terminals are arranged such that distances from the signal terminal to the ground terminals are set to be equal to one another.

16. (Newly added) A plug according to claim 13, wherein said surface of the plug main body is partially formed into a planar surface extending in an axial direction of the cable, the signal terminal is disposed at a central portion of the planar surface to be protruded for the planar surface, and the ground terminals are disposed around the signal terminal.

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17. (Newly added) A plug according to claim 13, wherein two of said ground terminals are provided, which are disposed to be point-symmetric with respect to the signal terminal.

18. (Newly added) A plug according to claim 13, wherein three of said ground terminals are provided, which are disposed at respective apex positions of a regular triangle centered by the signal terminal.

19. (Newly added) A plug according to claim 1, wherein four of said ground terminals are provided, which are disposed at respective corner portions of a regular square centered by the signal terminal.

20. (Newly added) A plug according to claim 13, wherein eight of said ground terminals are provided, which are respectively disposed at corner portions of a regular square centered by the signal terminal and at longitudinal middle points of sides of the regular square.